



EINLADUNG
zum
VERA - SEMINAR
von

Gunda Köllensperger

Institut für Analytische Chemie, Universität Wien

Applications of stable isotopes in mass spectrometry

Stable isotopes have become an indispensable tool for accurate absolute quantification and tracer studies in mass spectrometry. The presentation will cover applications of elemental speciation analysis and metabolomics, reflecting the state of the art of isotope dilution mass spectrometry addressing the complementary approaches, namely ICP-MS and ESI-MS based analysis (both in combination with chromatographic separation systems).

Analytical figures of merit of the different methods will be discussed with regard to isotope ratio measurement precision and – as a consequence – measurement uncertainty. The concept of *in vivo* synthesized isotopically enriched ^{34}S and ^{13}C standards will be highlighted.

Donnerstag, 07. Mai 2015, 16:30 Uhr

**1090 Wien, Währinger Str. 17, "Kavalierstrakt",
1. Stock, Victor-Franz-Hess-Hörsaal**